

## AVE\_June2005 Flight Summary

### 22 June 2005

#### General Information

**Flight date** – 22 June 2005

**Flight description** – Flight 8 AVE mission

**Flight duration** – 5.0 hours

**Crew** – Bill Ehrenstrom, Dom Del Rosso (281-244-9113)

**Instruments flown (17):** ACAM, Argus, CAFS, CPL, CIMS, FCAS/NMASS/MACS, Harvard Water Vapor, JLH, MMS, MTP, Ozone, PANTHER, PT, S-HIS, WAS

**Instruments not flown:** IRIS

#### Flight Log

<b>MMS ON</b>	13:10	<b>Takeoff</b>	13:27	<b>Begin Descent</b>	17:48
<b>Before Taxi</b>	13:19	<b>Climb/5000</b>	13:29	<b>Landing</b>	18:27

#### Gear extension/retractions

<b>Gear Up</b>	13:27					
<b>Gear Down</b>	18:18					

#### Weather Observations

Climb:

- Thick layer of haze on take off. Exited layer at 8,500 ft.
- Some wispy cirrus was noted at FL430 along route at 13:54
- Cloud layer noted below on approach to end point at 15:33.
- Thin cirrus layer noted at FL410 @1800.
- Generally thick haze over the Dallas/Houston area.

Cruise:

- Ascended to FL430 by waypoint 3.
- Ascended to FL450 approximately 80 nm from waypoint 4 and completed MMS maneuvers.
- Made the turn at waypoint 4 at 16:02 (FL450).
- Ascended to FL530 by 16:12.
- Zoom climb to FL600 approximately 100 nm from waypoint 3.

Descent:

- On descent, a generally thick haze layer was noted. The layer was too dense to describe as imbedded cloud cover.
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#### Flight Profile

We flew the prescribed profile with one notable exception: we opted to ascend to FL450 to perform the MMS maneuvers.

#### Instrument Notes

- MTP display screen worked the whole flight (some chicken blood was apparently smeared on the display).
- Ozone indicated fail on ascent to FL530, and was corrected.
- Expected fail indications:
  - S-HIS in spoiler-only descent, FL520.
  - CIMS at 1,900 ft in final descent.
  - Harvard water vapor at 7,500 ft in final descent

#### To ftp for the nav data:

IP address 128.157.138.64

Username: [anonymous@wb57f.asds.net](mailto:anonymous@wb57f.asds.net)

Password: <any email address>

The directory is: WB57F\_Processed/AVEJUN05